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JUN 28 2004

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| DATE: June 28, 2004 | NO. OF PAGES (INCLUDING THIS PAGE): 15 |
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|---|--------|---|
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|                      |
|----------------------|
| FROM: James E. Davis |
|----------------------|

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|   |  |
|---|--|
| COMMENTS:                                       |  |
| Application of: Thomas P. Kasten, et al.        |  |
| Serial No: 09/888,008                           |  |
| Filed: June 22, 2001                            |  |
| Title: Ion-Exchange Resin/Enzyme Activity Assay |  |
| Confirmation No: 8520                           |  |
| Group Art Unit: 1651                            |  |
| Examiner: Ralph Gitomer                         |  |
| Attorney Ref: S03352/US                         |  |
| HDP Ref: 6794-000127/US                         |  |

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# FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 110.00)

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money  Other  None  
Order
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Deposit Account Number **06-0750**

Deposit Account Name **Harness, Dickey & Pierce, P.L.C.**

The Director is authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments  
 Charge any deficiencies or additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description        | Fee Paid |
|--------------|--------------|---------------|---------------|------------------------|----------|
| 1001         | 770          | 2001          | 385           | Utility filing fee     |          |
| 1002         | 340          | 2002          | 170           | Design filing fee      |          |
| 1003         | 530          | 2003          | 285           | Plant filing fee       |          |
| 1004         | 770          | 2004          | 385           | Reissue filing fee     |          |
| 1005         | 180          | 2005          | 80            | Provisional filing fee |          |

SUBTOTAL (1) (\$ 0)

## 2. EXTRA CLAIM FEES

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
|                    | 0            | X              | 0        |
| Independent Claims | 0            | X              | 0        |
| Multiple Dependent |              | X              | 0        |

## Large Entity

| Large Entity | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description   |
|--------------|--------------|---------------|---------------|---|
| 1202         | 18           | 2202          | 9             | Claims in excess of 20                                    |
| 1201         | 88           | 2201          | 43            | Independent claims in excess of 3                         |
| 1203         | 290          | 2203          | 145           | Multiple dependent claim, if not paid                     |
| 1204         | 88           | 2204          | 43            | — Reissue independent claims over original patent         |
| 1205         | 18           | 2205          | 9             | — Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 0)

\*\* or number previously paid, if greater; For Reissues, see above

## Complete If Known

|                      |                            |
|----------------------|----------------------------|
| Application Number   | 09/888,008                 |
| Filing Date          | June 22, 2001              |
| First Named Inventor | Thomas P. Keaten           |
| Examiner Name        | Ralph Glotmer              |
| Art Unit             | 1851                       |
| Attorney Docket No.  | SO3352/US (6794-000127/US) |

## FEE CALCULATION (continued)

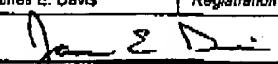
## 3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description   | Fee Paid |
|--------------|--------------|---------------|---------------|---|----------|
| 1051         | 130          | 2051          | 65            | Surcharge - late filing fee or oath                                       |          |
| 1052         | 50           | 2052          | 25            | Surcharge - late provisional filing fee or cover sheet                    |          |
| 1053         | 130          | 1053          | 130           | Non-English specification   |          |
| 1012         | 2,520        | 1812          | 2,520         | For filing a request for reexamination                                    |          |
| 1004         | 920*         | 1804          | 920*          | Requesting publication of SIR prior to Examiner action                    |          |
| 1005         | 1,840*       | 1805          | 1,840*        | Requesting publication of SIR after Examiner action                       |          |
| 1251         | 110          | 2251          | 55            | Extension for reply within first month                                    | 110.00   |
| 1252         | 420          | 2262          | 210           | Extension for reply within second month                                   |          |
| 1253         | 950          | 2253          | 475           | Extension for reply within third month                                    |          |
| 1254         | 1,490        | 2254          | 740           | Extension for reply within fourth month                                   |          |
| 1255         | 2,010        | 2255          | 1,005         | Extension for reply within fifth month                                    |          |
| 1401         | 330          | 2401          | 165           | Notice of Appeal  |          |
| 1402         | 330          | 2402          | 165           | Filing a brief in support of an appeal                                    |          |
| 1403         | 290          | 2403          | 145           | Request for oral hearing  |          |
| 1451         | 1,510        | 1451          | 1,510         | Petition to institute a public use proceeding                             |          |
| 1452         | 110          | 2452          | 55            | Petition to revive - unavoidable  |          |
| 1453         | 1,330        | 2453          | 665           | Petition to revive - unintentional  |          |
| 1501         | 1,330        | 2501          | 665           | Utility issue fee (or release)  |          |
| 1502         | 480          | 2502          | 240           | Design issue fee  |          |
| 1503         | 640          | 2503          | 320           | Plant issue fee   |          |
| 1460         | 130          | 1480          | 130           | Petitions to the Commissioner   |          |
| 1807         | 50           | 1807          | 50            | Processing fee under 37 CFR 1.17 (q)                                      |          |
| 1806         | 180          | 1806          | 180           | Submission of Information Disclosure Stmt                                 |          |
| 8021         | 40           | 8021          | 40            | Recording each patent assignment per property (list number of properties) |          |
| 1808         | 770          | 2808          | 385           | Filing a submission after final rejection (37 CFR § 1.129(a))             |          |
| 1810         | 770          | 2810          | 385           | For each additional invention to be examined (37 CFR § 1.129(b))          |          |
| 1801         | 770          | 2801          | 385           | Request for Continued Examination (RCE)                                   |          |
| 1802         | 900          | 1802          | 900           | Request for expedited examination of a design application                 |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0)

| SUBMITTED BY      |   |                                  |        |               |              |
|-------------------|---|----------------------------------|--------|---------------|--------------|
| Name (Print/Type) | James E. Davis  | Registration No. Attorney/Agent) | 47,518 | Telephone     | 314-726-7500 |
| Signature         |  |                                  | Date   | June 28, 2004 |              |

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# FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 110.00)

| Complete If Known    |                            |
|----------------------|----------------------------|
| Application Number   | 09/888,008                 |
| Filing Date          | June 22, 2001              |
| First Named Inventor | Thomas P. Kasten           |
| Examiner Name        | Ralph Gitomer              |
| Art Unit             | 1651                       |
| Attorney Docket No.  | SO3352/US (6794-000127/US) |

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money  Other  None  
Order
 Deposit Account:Deposit  
Account  
Number

08-0750

Deposit  
Account  
Name

Harness, Dickey &amp; Pierce, P.L.C.

## The Director is authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments  
 Charge any deficiencies or additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee  
 to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity  | Small Entity  | Fee Description        | Fee Paid |
|---------------|---------------|------------------------|----------|
| Fee Code (\$) | Fee Code (\$) |                        |          |
| 1001 770      | 2001 385      | Utility filing fee     |          |
| 1002 340      | 2002 170      | Design filing fee      |          |
| 1003 530      | 2003 265      | Plant filing fee       |          |
| 1004 770      | 2004 385      | Reissue filing fee     |          |
| 1005 160      | 2005 80       | Provisional filing fee |          |
| SUBTOTAL (1)  |               | (\$ 10)                |          |

## 2. EXTRA CLAIM FEES

| Total Claims | Independent Claims | Multiple Dependent: | Extra Claims | Fee from below | Fee Paid |
|--------------|--------------------|---------------------|--------------|----------------|----------|
|              |                    |                     | 0            | X              | 0        |
|              |                    |                     | 0            | X              | 0        |
|              |                    |                     |              | X              | 0        |

## Large Entity

| Large Entity  | Small Entity  | Fee Description  |
|---------------|---------------|--|
| Fee Code (\$) | Fee Code (\$) |  |
| 1202 18       | 2202 9        | Claims in excess of 20                                     |
| 1201 86       | 2201 43       | Independent claims in excess of 3                          |
| 1203 290      | 2203 145      | Multiple dependent claim, if not paid                      |
| 1204 86       | 2204 43       | ** Reissue independent claims over original patent         |
| 1205 18       | 2205 9        | ** Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2)  |               | (\$ 0)   |

\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

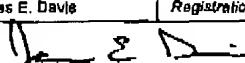
## 3. ADDITIONAL FEES

| Large Entity        | Small Entity  | Fee Description  | Fee Paid |
|---------------------|---------------|--|----------|
| Fee Code (\$)       | Fee Code (\$) |  |          |
| 1051 130            | 2051 65       | Surcharge - late filing fee or oath  |          |
| 1052 50             | 2052 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053 130            | 1053 130      | Non-English specification  |          |
| 1812 2,520          | 1812 2,520    | For filing a request for reexamination                                     |          |
| 1904 920*           | 1904 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805 1,840*         | 1805 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251 110            | 2251 65       | Extension for reply within first month                                     | 110.00   |
| 1252 420            | 2252 210      | Extension for reply within second month                                    |          |
| 1253 950            | 2253 475      | Extension for reply within third month                                     |          |
| 1254 1,450          | 2254 740      | Extension for reply within fourth month                                    |          |
| 1255 2,010          | 2255 1,005    | Extension for reply within fifth month                                     |          |
| 1401 230            | 2401 185      | Notice of Appeal   |          |
| 1402 330            | 2402 185      | Filing a brief in support of an appeal                                     |          |
| 1403 290            | 2403 145      | Request for oral hearing   |          |
| 1451 1,510          | 1451 1,510    | Petition to Institute a public use proceeding                              |          |
| 1452 110            | 2452 55       | Petition to revive - unavoidable   |          |
| 1453 1,330          | 2453 665      | Petition to revive - unintentional   |          |
| 1501 1,330          | 2501 665      | Utility issue fee (or reissue)   |          |
| 1502 480            | 2502 240      | Design issue fee   |          |
| 1503 640            | 2503 320      | Plant issue fee  |          |
| 1480 130            | 1480 130      | Petitions to the Commissioner  |          |
| 1807 50             | 1807 50       | Processing fee under 37 CFR 1.17 (q)                                       |          |
| 1508 180            | 1808 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021 40             | 8021 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809 770            | 2809 385      | Filing a submission after final rejection (37 CFR § 1.129(e))              |          |
| 1910 770            | 2910 385      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 1801 770            | 2801 385      | Request for Continued Examination (RCE)                                    |          |
| 1802 900            | 1802 900      | Request for expedited examination of a design application                  |          |
| Other fee (specify) |               |  |          |

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

| SUBMITTED BY      |   |                                 |        |           |               |
|-------------------|---|---------------------------------|--------|-----------|---------------|
| Name (Print/Type) | James E. Davis  | Registration No. Attorney/Agent | 47,516 | Telephone | 314-726-7500  |
| Signature         |  |                                 |        | Date      | June 28, 2004 |

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUN 28 2004

Application of: Thomas P. Kasten, et al  
Serial No: 09/888,008  
Filed: June 22, 2001  
Title: Ion-Exchange Resin/Enzyme Activity Assay  
Confirmation No: 8520  
Group Art Unit: 1651  
Examiner: Ralph Gitomer  
Attorney Ref: S03352/US  
HDP Ref: 6794-000127/US

OFFICIAL

June 28, 2004  
(First Business Day After June 27, 2004)

**AMENDMENT B**

TO THE COMMISSIONER FOR PATENTS,  
SIR/MADAM:

In response to the Office action mailed February 27, 2004, the time for response to which is extended one month under 37 C.F.R. 1.136(a), Applicants submit this Amendment B for consideration in the above-referenced patent application.

**Amendments to the claims** are reflected in the listing of claims, which begins on page 2 of this paper.

**Remarks** begin on page 5 of this paper.